MAR 2 8 2006

Total Number of Pages in This Submission

03-29-06.

The !

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

05432/100M668-US1

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Attorney Docket Number

## TRANSMITTAL FORM (to be used for all correspondence after initial filing) Application Number 10/549,345 September 14, 2005 First Named Inventor Daniel Rodriguez Greve Art Unit Not Yet Assigned Examiner Name Not Yet Assigned

ENCLOSURES (Check all that apply) After Allowance Communication Fee Transmittal Form Drawing(s) to TC Appeal Communication to Board of Fee Attached Licensing-related Papers Appeals and Interferences Appeal Communication to TC Amendment/Reply Petition (Appeal Notice, Brief, Reply Brief) Petition to Convert to a After Final Proprietary Information Provisional Application Power of Attorney, Revocation Affidavits/declaration(s) Status Letter Change of Correspondence Address X Otner Endes Other Enclosure(s) (please Extension of Time Request Terminal Disclaimer Copy of International Search **Express Abandonment Request** Request for Refund Report Copies of 50 References CD, Number of CD(s) x Information Disclosure Statement (Document Nos. 1-50) Return Receipt Postcard Certified Copy of Priority Landscape Table on CD Document(s) Reply to Missing Parts/ Remarks Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name DARBY & DARBY P.C. Signature Printed name Mitchell Bernstein, Ph.D. Date Reg. No. March 28, 2006 46,550

		 	_
Express Mail Label No.	Dated:		



Docket No.: 05432/100M668-US1

(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Daniel Rodriguez Greve et al.

Application No.: 10/549,345

Filed: September 14, 2005 Art Unit: Not Yet Assigned

For: SUBSTITUTED ANILINE DERIVATIVES Examiner: Not Yet Assigned

## **INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

Also enclosed is an International Search Report, dated July 20, 2004, which issued during the prosecution of International Application No. PCT/DK2004/000162, which corresponds to the present application.

Documents no. 1, 3, 5, 7, 8, and 11 on the attached PTO/SB/08 are not in English.

Documents 1, 7, and 11 are cited on the aforementioned International Search Report. Documents 5 and 8 include English language abstracts. A separate English language abstract is provided for document 3. Further reference to these documents is found in the specification at page 2, lines 24-25 (document 3); page 5, lines 17-24 (document 5); and page 5, lines 6-8 (document 8). Thus, the required concise explanation of the relevance of documents 1, 3, 5, 7, 8, and 11 is believed to be provided.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is authorized to charge any deficiency of up to \$300.00 or credit any excess in this fee to Deposit Account No. 04-0100.

Dated: March 28, 2006

Respectfully submitted,

Mitchell Bernstein, Ph.D.

Registration No.: 46,550

DARBY & DARBY P.C.

P.O. Box 5257

New York, New York 10150-5257

(212) 527-7700

(212) 527-7701 (Fax)

Attorneys/Agents For Applicant



PTO/SB/08a/b (07-05) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete if Known		
		Application Number	10/549,345			
INFORMATION DISCLOSURE		Filing Date	September 14, 2005			
STATEMENT BY APPLICANT		First Named Inventor	Daniel Rodriguez Greve			
		Art Unit	Not Yet Assigned			
	(Use as many sh	eets as	s necessary)	Examiner Name	Not Yet Assigned	
Sheet	1	of	3	Attorney Docket Number	05432/100M668-US1	

		,	U.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> ( if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

-		FOREI	GN PATENT	DOCUMENTS	·	
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
<del>/S</del> Y/	1	EP 0 386 452 B1	09-12-1990	BASF Aktiengesellschaft		
/SY/	2	EP 0 515 684 A1	12-02-1992	Chugai Seiyaku Kabushiki Kaisha		
/SY/	3	EP 0 554 543 A2	08-11-1993	ASTA Medica Aktiengesellschaft		
/SY/		EP 1 369 420 A1	12-10-2003	Aventis Pharma Deutschland GmbH		
/SY/	5	WO 97/15300 A2	05-01-1997	ASTA Medica Aktiengesellschaft		
/SY/	6	WO 00/39118 A1	07-06-2000	Eli Lilly and Co.		
/SY/	7	WO 01/09612 A1	02-08-2001	Arzneimittelwerk Dresden GmbH		
/SY/	8	WO 01/22953 A2	04-05-2001	ASTA Medica AG		
/SY/	9	WO 01/92526 A1	12-06-2001	Bristol-Myers Squibb Co.		
/SY/	10	WO 01/96540 A2	12-20-2001	Dupont Pharmaceuticals Co.		
/SY/	11	WO 02/18318 A1	03-07-2002	Wella Aktiengesellschaft		$oxed{oxed}$
/SY/	12	WO 02/49628 A2	06-27-2002	Wyeth		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁴ Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS
/SY/	13	American Psychiatric Association, Diagnostic and Statistical Manual of Mental Disorders, 4ed., 1994, pp. 110-13, 393-444, and 623-27.
/SY/	14	BIALER et al., "Progress report on new antiepileptic drugs: a summary of the Sixth Eilat Conference (EILAT VI)," Epilepsy Res 2002, 51, 31-71.
/SY/	15	BLACKBURN-MUNRO et al., "The anticonvulsant retigabine attenuates nociceptive behaviours in rat models of persistent and neuropathic pain," Euro J Pharmacol 2003, 460, 109-16.
/SY/	16	CAPACIO et al., "Use of the accelerating rotarod for assessment of motor performance decrement induced by potential anticonvulsant compounds in nerve agent poisoning," Drug Chem Toxicol 1992, 15, 177-201.

Examiner	Date	
Signature	Considered	



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete if Known		
		Application Number	10/549,345			
11	<b>IFORMATION</b>	I DIS	CLOSURE	Filing Date	September 14, 2005	
STATEMENT BY APPLICANT		First Named Inventor	Daniel Rodriguez Greve			
				Art Unit	Not Yet Assigned	
	(Use as many she	eets as n	ecessary)	Examiner Name	Not Yet Assigned	
Sheet	2	of	3	Attorney Docket Number	05432/100M668-US1	

Initials No.		Cite No. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
/SY/	17	Commission on Classification and Terminology of the International League Against Epilepsy, "Proposal for revised clinical and electroencephalographic classification of epileptic seizures," Epilepsia 1981, 22, 489-501.				
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	18	Commission on Classification and Terminology of the International League Against Epilepsy, "Proposal for revised classification of epilepsies and epileptic syndromes," Epilepsia 1989, 30, 389-99.				
	19	COOPER et al., "Colocalization and coassembly of two human brain M-type potassium channel subunits that are mutated in epilepsy," Proceedings Nat Acad Sci USA 2000, 97, 4914-19.	!			
	20	DAVOLL et al., "Folate antagonists. 2. 2,4-Diamino-6-{[aralkyl and (heterocyclic)methyl]amino}quinazolines, a novel class of antimetabolites of interest in drugresistant malaria and Chagas' disease," J Med Chem 1972, 15, 812-26.				
000000	21	EBERT et al., "Delayed sclerosis, neuroprotection, and limbic epileptogenesis after status epilepticus in the rat," Epilepsia 2002, 43 Suppl 5, 86-95.				
20000000	22	GOLDSTEIN et al., "Localization of KCNQ and KCNE channel subunits in the central and peripheral nervous system of the rat," Soc Neuroscience Abstracts 2003, 53.8.				
23 HAMILL et al., "Improved		HAMILL et al., "Improved patch-clamp techniques for high-resolution current recording from cells and cell-free membrane patches," Phlugers Arch 1981, 391, 85-100.				
00000	24	HARTZ et al., "The KCNQ channel opener retigabine has anxiolytic properties," J Psychopharmacol 2003, 17 Suppl 3, A28, B14.				
-	25	JENTSCH, "Neuronal KCNQ potassium channels: physiology and role in disease," Nature Rev: Neuroscience 2000, 1, 21-30.				
000000000000000000000000000000000000000	26	KEENEY et al., "Alterations in core body temperature, locomotor activity, and corticosterone following acute and repeated social defeat of male NMRI mice," Physiol Behavior 2001, 74, 177-84.				
	27	KIMBALL et al., "Biological effects of fast neutrons from an internal target cyclotron: physical methods and dominant lethals in <i>drosophila</i> ," Radiation Res 1957, 6, 173-87.				
	28	LITVINENKO et al., Dokl Chem 1981, 259, 317-320 (abstract).				
	29	MARRION, "Control of M-current," Annual Rev Phys 1997, 59, 483-504.				
0000000000	30	MEYER et al., "N²-(4-substituted-2,6-dicholorophenyl)-N¹,N¹-dimethylformamidines as antihypertensive and diuretic agents," J Med Chem 1984, 27, 1705-10.				
	31	NODA et al., "KCN channels in glial cells," Soc Neuroscience Abstracts 2003, 53.9.				
000000000	32	NUTT et al., "Optimizing the pentetrazol infusion test for seizure threshold measurement," J Pharmacy Pharmacol 1986, 38, 697-98.				
000000000000000000000000000000000000000	33	PORRETTA et al., "Research on anti-bacterial and anti-fungal agents II. Synthesis and anti-fungal activity of new (1H-imidazol-1-ylmethyl)-benzenamine derivatives," Euro J Med Chem 1998, 23, 311-17.				
000000000	34	RACINE, "Modification of seizure activity by electrical stimulation: II. Motor seizure," Electroencephalography Clin Neurophysiol 1972, 32, 281-94.				
000000000	35	ROBBINS, "KCNQ potassium channels: physiology, pathophysiology, and pharmacology," Pharmcol Ther 2001, 90, 1-19.				
V	36	ROGAWSKI, "KCNQ2/KCNQ3 K* channels and the molecular pathogenesis of epilepsy: implications for therapy," Trends in Neuroscience 2000, 23, 393-98.				

Signature Considered Considered	Examiner	Date	
	Signature	 Considered	

PTO/SB/08a/b (07-05)

05432/100M668-US1

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Attorney Docket Number

Complete if Known Substitute for form 1449A/B/PTO Application Number 10/549,345 INFORMATION DISCLOSURE September 14, 2005 Filing Date STATEMENT BY APPLICANT Daniel Rodriguez Greve First Named Inventor Art Unit Not Yet Assigned (Use as many sheets as necessary) Examiner Name Not Yet Assigned

3

Sheet

3

Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book,	
Initials	No.1	magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
/SY/	37	ROSTOCK et al., "D-23129: a new anticonvulsant with a broad spectrum activity in animal models of epileptic seizures," Epilepsy Res 1996, 23, 211-23.	
***************************************	38	SAGANICH et al., "Differential expression of genes encoding subthreshold-operating voltage-gated K <sup>+</sup> channels in brain," J Neuroscience 2001, 21, 4609-24.	
9999999999	39	SCALZO et al., "Studies on substrates with antibacterial and antifungal activity," Farmaco Edizone Scientifica 1986, 41, 292-307 (abstract).	
000000000	40	SCHRODER et al., "KCNQ4 channel activation by BMS-204352 and retigabine," Neuropharmacol 2001, 40, 888-98.	
000000000	41	SEYDEL et al., "Synthesis and quantitative structure-activity relationships of anticonvulsant 2,3,6-triaminopyridines," J Med Chem 1994, 37, 3016-22.	
000000000000000000000000000000000000000	42	STARR et al., "Paradoxical facilitation of pilocarpine-induced seizures in the mouse by MK-801 and the nitric oxide synthesis inhibitor L-NAME," Pharmacol Biochem Behavior 1993, 45, 321-25.	
***************************************	43	TANG et al., "Development and evaluation of high throughput functional assay methods for hERG potassium channel," J Biomol Screen 2001, 6, 325-31.	
200000000000000000000000000000000000000	44	TATULIAN et al., "Activation of expressed KCNQ potassium currents and native neuronal M- type potassium currents by the anti-convulsant drug retigabine," J Neuroscience 2001, 21, 5535-45.	
00000000	45	TOBER et al., D-23129: a potent anticonvulsant in the amygdala kindling model of complex partial seizures," Euro J Pharmacol 1996, 303, 163-69.	
00000000	46	WATSON et al., "The novel anticonvulsant, gabapentin, protects against both convulsant and anxiogenic aspects of the ethanol withdrawal syndrome," Neuropharmacol 1997, 36, 1369-75.	
00000000	47	WICKENDEN et al., "Retigabine, a novel anti-convulsant, enhances activation of KCNQ2/Q3 potassium channels," Molec Pharmacol 2000, 58, 591-600.	
00000000	48	WICKENDEN et al., "KCNQ channel expression in rat DRG following nerve ligation," Soc Neuroscience Abstracts 2002, 454.7.	
0000000	49	WLAZ et al., "Frontal versus transcorneal stimulation to induce maximal electroshock seizures or kindling in mice and rats," Epilepsy Res 1998, 30, 219-29.	
V	50	YIN et al., "Palladium-catalyzed intermolecular coupling of aryl halides and amides," Organic Letters 2000, 2, 1101.	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner	/Shawquia Young/	Date	01/19/2009
Signature	, •	Considered	01/19/2009

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Application No. (if known): 10/549,345

Attorney Docket No.: 05432/100M668-US1

## Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. in an envelope addressed to:

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

on March 28, 2006

Date

Signature
Signature
Typed or printed name of person signing Certificate

Registration Number, if applicable

Telephone Number

Note:

Each paper must have its own certificate of mailing, or this certificate must identify

each submitted paper.

Transmittal (1 page)

Information Disclosure Statement (2 pages)

Form PTO/SB/08 (3 pages)

Copy of International Search Report (5 pages) Copies of 50 References (Document Nos. 1-50)

Return Receipt Postcard